

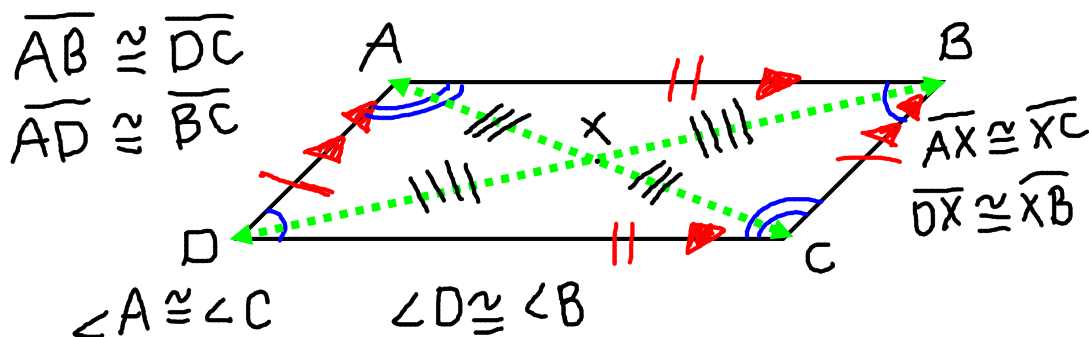
What is a quadrilateral?

In Euclidean plane geometry, a quadrilateral is a polygon with four sides (or 'edges') and four vertices or corners.

May 13-6:55 AM

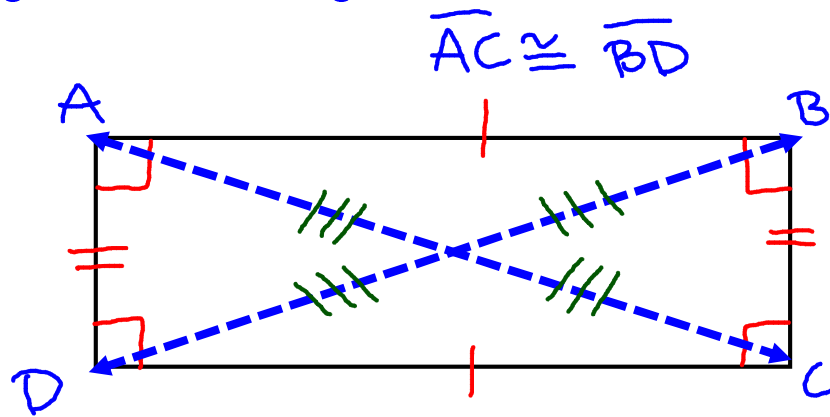
A parallelogram is a quadrilateral with both sides parallel. It has the following properties:

- Opposite sides are parallel.
- Opposite sides are congruent.
- Opposite angles are congruent.
- Diagonals bisect each other.



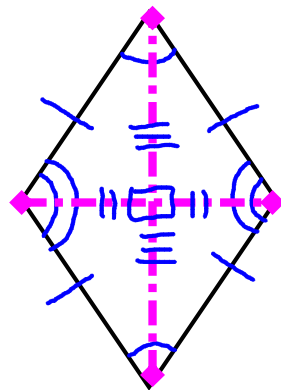
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A rectangle is a parallelogram with four right angles and two pairs of congruent sides. Its diagonals are congruent.



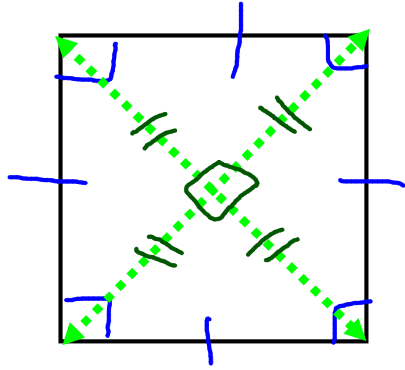
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A rhombus has four congruent sides and two congruent pairs of angles. Its diagonals are perpendicular, and they bisect the angles.

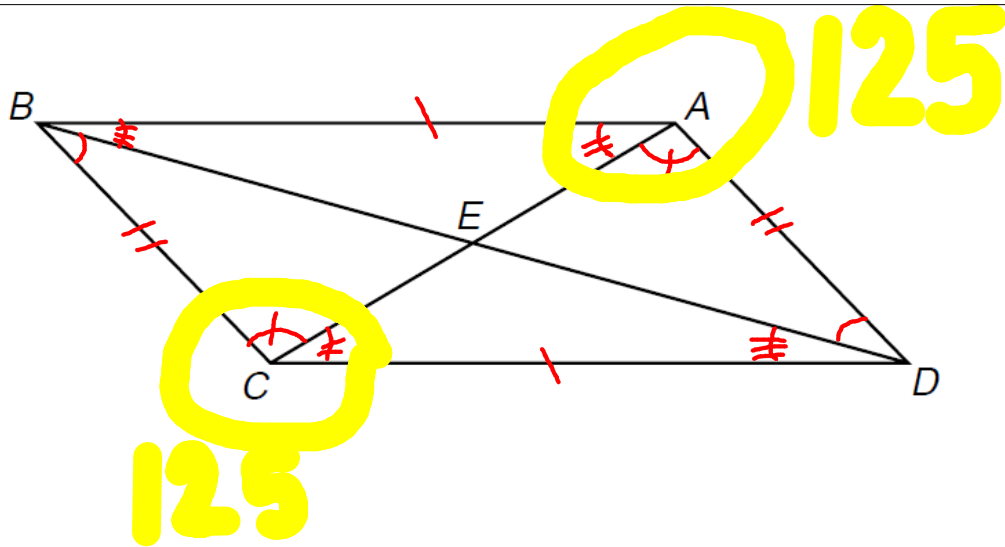


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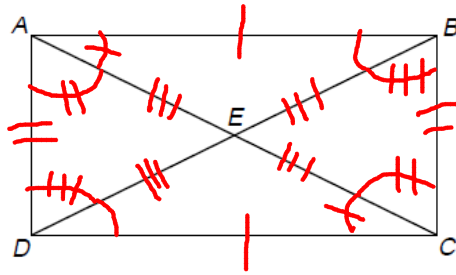
A square is a parallelogram with four right angles and four congruent sides. Its diagonals bisect each other.



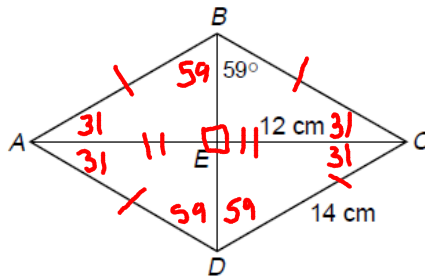
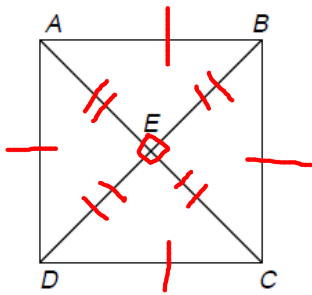
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May 13-9:41 AM

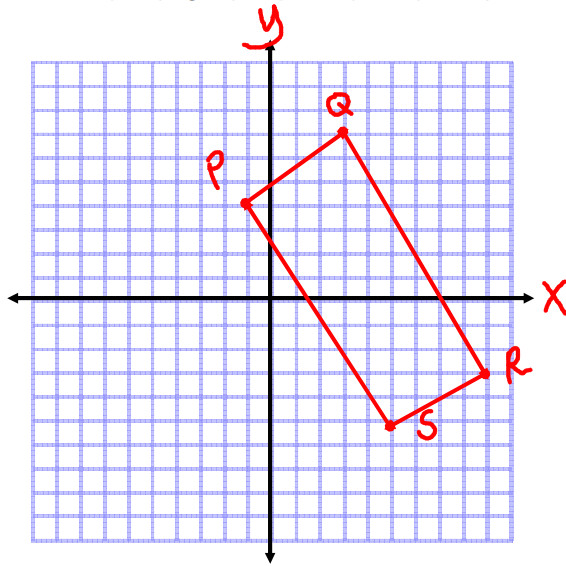


May 13-9:45 AM



May 13-1:53 PM

7. $P(-1, 4)$, $Q(3, 6)$, $R(9, -3)$, $S(5, -5)$



May 13-1:53 PM